

# Converting Colors

XYZ(27.5717, 51.5317, 9.9628)

Have a look what the booklet for  
XYZ(27.5717, 51.5317, 9.9628)  
contains.

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# Color

**XYZ(27.4603, 51.3426,  
9.9017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40DA21
RGB	64, 218, 33
RGB Percent	25%, 85%, 13%
CMY	0.7490, 0.1451, 0.8705
CMYK	0.71, 0.00, 0.85, 0.15
HSL	110°, 74%, 49%
HSV	110°, 85%, 85%
XYZ	27.4603, 51.3426, 9.9017
YIQ	150.8640, -32.3990, -90.1830

# Conversions

## Conversions Part 2

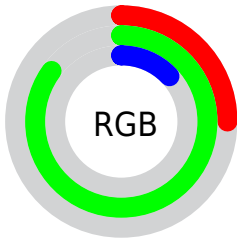
Format	Color
<b>RYB</b>	33, 218, 187
Decimal	4250145
CIELab	76.89, -69.83, 70.21
CIELCh	77, 99.023, 134.845
Yxy	51.3426, 0.3096, 0.5788
Android (android.graphics.Color)	4282440225 (0xFF40DA21)
YUV	150.8640, -58.1070, -76.1797
Hunter-Lab	71.6538, -56.9864, 41.9644

# Details

The XYZ color **27.4603, 51.3426, 9.9017** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **33.6968, 16.7172, 67.7831**, and the grayscale version is **29.6095, 31.1515, 33.9240**.

A 20% lighter version of the original color is **47.5905, 77.3696, 23.7348**, and **12.7449, 25.4897, 4.2483** is the 20% darker color. If you saturate the color by 10%, you get **26.2541, 50.7469, 8.7345**, and if you desaturate by 10%, it is **29.2502, 52.2194, 12.1286**.

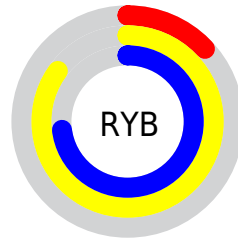
# Distribution



Red (25%)

Green (85%)

Blue (13%)



Red (13%)

Yellow (85%)

Blue (73%)

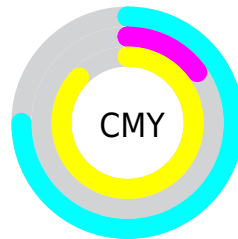


Cyan (71%)

Magenta (0%)

Yellow (85%)

Black (15%)



Cyan (75%)

Magenta (15%)


Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4603, 51.3426, 9.9017 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.4603, 51.3426, 9.9017 by changing the saturation by 10% instead.





 27.4603, 51.3426,  
9.9017


 27.4603, 51.3426,  
9.9017


282.0060,  
391.8934, 200.4283


 18.0576, 36.4813,  
5.2291


 55.0363, 92.1610,  
26.2154

 11.0913, 24.8062,  
2.3212


 73.9403, 118.8869,  
38.6935

 6.1960, 15.9327,  
0.7431


 96.7422, 150.3365,  
54.6105

 3.0064, 9.4765,  
0.0000

 123.8072,  
186.8942, 74.3850

 1.1572, 5.0533,  
0.0000

 155.5007,  
228.9443, 98.4355

 0.0721, 2.2786,  
0.0000

 192.1881,

 0.0000, 0.7623,

276.8713, 127.1805

0.0000

234.2348,  
331.0595, 161.0386

■ 0.0000, 0.0000,  
0.0000

■ 27.4603, 51.3426,  
9.9017

■ 27.4603, 51.3426,  
9.9017

■ 26.2541, 50.7469,  
8.7345

■ 29.2502, 52.2194,  
12.1286

■ 25.8182, 50.5294,  
8.3924

■ 31.6868, 53.4016,  
15.5871

■ 34.8285, 54.9174,  
20.4222

■ 38.7257, 56.7903,  
26.7577

■ 43.4242, 59.0414,  
34.7039

■ 48.9661, 61.6904,  
44.3606

■ 55.3903, 64.7552,  
55.8193

■ 62.7336, 68.2530,  
69.1654

■ 71.0303, 72.1998,  
84.4786

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.0984, 51.3426, 3.6403



27.4603, 51.3426, 9.9017



21.5297, 51.3426, 32.9389

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.4603, 51.3426, 9.9017



39.9322, 51.3426, 227.6161



92.8342, 51.3426, 33.3224

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.4603, 51.3426, 9.9017



33.6968, 16.7172, 67.7831

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7561, 51.3426, 87.6329



27.4603, 51.3426, 9.9017



58.6764, 51.3426, 227.9877

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.4603, 51.3426, 9.9017



27.3657, 51.3426, 165.5503



79.0457, 51.3426, 166.3722



79.2375, 51.3426, 10.0277

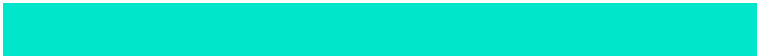


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.4603, 51.3426, 9.9017



20.8815, 51.3426, 65.1263



79.0457, 51.3426, 166.3722



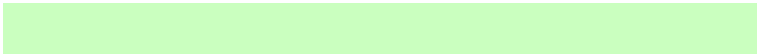
94.5009, 51.3426, 47.5951

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.4615, 51.3448, 9.9028



69.5294, 87.8393, 62.7247



46.3482, 49.3338, 8.5192



14.2557, 18.5020, 12.3262



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.4615, 51.3448, 9.9028



36.7444, 72.0275, 11.9661



27.6140, 51.2340, 18.4658



13.0888, 14.7105, 13.8751



15.5284, 30.3027, 5.0306



1.0693, 1.9958, 0.3289



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.6968, 16.7172, 67.7831



45.2833, 21.2593, 96.3245



35.7536, 18.5123, 34.6825



13.3891, 13.1587, 16.4863



19.1450, 8.9938, 40.4653

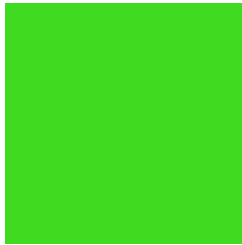


1.2983, 0.6126, 2.6243



# Previews

## White Background



This preview shows how the XYZ color 27.4603, 51.3426, 9.9017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4603, 51.3426, 9.9017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.4603, 51.3426, 9.9017**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4603, 51.3426, 9.9017.



This preview shows how white text looks on a background with the XYZ color 27.4603, 51.3426,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

27.4603, 51.3426, 9.9017

### Protanopia

45.5138, 50.4582, 8.2047

### Deuteranopia

51.4260, 50.3586, 10.7511



## Tritanopia

40.3265, 51.0145, 74.7392

# Trichromacy



## Original Color

27.4603, 51.3426, 9.9017



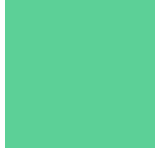
## Protanomaly

34.9527, 48.6568, 8.5864



## Deuteranomaly

36.8370, 47.2376, 9.9726



## Tritanomaly

32.5554, 49.6214, 37.1402

# Monochromacy



## Original Color

27.4603, 51.3426, 9.9017



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

25.6445, 35.6646, 19.7197

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4603, 51.3426, 9.9017 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(64, 218, 33)` looks like.

```
.text, #text, p{  
    color:rgb(64, 218, 33)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 218, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 218, 33) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4603, 51.3426, 9.9017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 218, 33) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(64, 218, 33) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(64, 218, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 218, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 218, 33);  
box-shadow:4px 4px 4px 4px rgb(64, 218,  
33) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4603, 51.3426, 9.9017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 218, 33) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 218,  
33) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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